



**Asignatura:**

Tendencias En Desarrollo De Aplicaciones

**Asignación:**

SSN (Social Security Number) Validator

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## **Algoritmo de validación**

Valid Social Security Number

### **It should have 9 digits**

**Test case 1** Input = 345345654 / Output = True, Name = Valid input

**Test case 2** Input = 12345654/ Output = False, Name = Less than 9 character

**Test case 3** Input = 3453456548 / Output = False, Name = More than 9 characters

**Test case 4** Input = "" / Output = False, Name = Empty input

**Test case 5** Input = 345B5A654 / Output = False, Name = Invalid Input

### **It should or should not be divided into 3 parts by hyphen (-).**

**Test case 1** Input = 345-34-5654 / Output = True, Name = Valid input

**Test case 2** Input = 345-345654/ Output = False, Name = wrong section divided

**Test case 3** Input = 34534-5654/ Output = False, Name = wrong section divided

**Test case 4** Input = 345-345654- / Output = False, Name = wrong section divided

**Test case 5** Input = 34534-5654-/ Output = False, Name = wrong section divided

**The first part should have 3 digits and should not be 000, 666, or between 900 and 999.**

**Test case 1** Input = 345-34-5654 / Output = True, Name = Valid input

**Test case 2** Input = 000456548/ Output = False, Name = invalid section of ssn

**Test case 3** Input = 666456548/ Output = False, Name = invalid section of ssn

**Test case 4** Input = -45-6548/ Output = False, Name = first section empty

**Test case 5** Input = 9393-45-6548 / Output = False, Name = More than 9 characters

**The second part should have 2 digits and it should be from 01 to 99.**

**Test case 1** Input = 345-34-5654 / Output = True, Name = Valid input

**Test case 2** Input = 345-0-5654/ Output = False, Name = invalid section of ssn

**Test case 3** Input = 345-100-5654/ Output = False, Name = more than 9 characters

**Test case 4** Input = 345-01-5654/ Output = true, Name = Valid input

**Test case 5** Input = 345-B7-5654 / Output = False, Name = Invalid input

**The third part should have 4 digits and it should be from 0001 to 9999.**

**Test case 1** Input = 345-34-5654 / Output = True, Name = Valid input

**Test case 2** Input = 345-03-0000/ Output = False, Name = Invalid section

**Test case 3** Input = 345-100-992L/ Output = False, Name = Invalid section

**Test case 4** Input = 345-01-/ Output = False, Name = Wrong amount of characters

**Test case 5** Input = 345-B7-56P4 / Output = False, Name = Invalid input